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FORM PTO-1390 (REV 5-93)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NO. 108817-00002
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				DATE: August 23, 2001
				U.S. APPLN. NO. (IF KNOWN, SEE 37 C.F.R. 1.5) 09/926065
INTERNATIONAL APPLICATION NO. PCT/DE00/00514		INTERNATIONAL FILING DATE 21 February 2000		PRIORITY DATE CLAIMED 23 February 1999
TITLE OF INVENTION: DATA CARRIER WITH DIFFERENTLY FORMATTED AUDIO DATA AND VIDEO DATA AND RECORDING DEVICE AND RECORDING METHOD PERTAINING THERETO				
APPLICANT(S) FOR DO/EO/US: Stefan MAIS				
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. (THE BASIC FILING FEE IS ATTACHED)</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures [35 U.S.C. 371(f)] at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input checked="" type="checkbox"/> A proper demand for International Preliminary Amendment was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed [35 U.S.C. 371(c)(2)]</p> <p>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> A translation of the International Application into English [35 U.S.C. 371(c)(2)].</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]</p> <p>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].</p> <p>Items 11 - 16 below concern other document(s) or information included:</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information: CHECK NO. 324296; Form PCT/ISA/210; Form PCT/IPEA/416; Form PCT/IPEA/409</p>				

U.S. APPLICATION (IF KNOWN) SEE 37 C.F.R. 1.50 <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">09/926065</div>		INTERNATIONAL APPLICATION NO. PCT/DE00/00514		ATTORNEY DOCKET NO. 108817-00002 DATE: August 23, 2001					
17. <input checked="" type="checkbox"/> The following fees are submitted: Basic National Fee [37 C.F.R. 1.492(a)(1)-(5)]: Search Report has been prepared by the EPO or JPO.....\$860.00 International preliminary examination fee paid to USPTO (37 C.F.R. 1.482).....\$690.00 No international preliminary examination fee paid to USPTO (37 C.F.R. 1.482) but international search fee paid to USPTO [37 C.F.R. 1.445(a)(2)].....\$710.00 Neither international preliminary examination fee (37 C.F.R. 1.482) or international search fee [37 C.F.R. 1.445(a)(2)] paid to USPTO.....\$1,000.00 International preliminary examination fee paid to USPTO (37 C.F.R. 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4).....\$ 100.00				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">CALCULATIONS</th> <th style="width: 50%;">PTO USE ONLY</th> </tr> <tr> <td colspan="2" style="height: 100px;"></td> </tr> </table>		CALCULATIONS	PTO USE ONLY		
CALCULATIONS	PTO USE ONLY								
ENTER APPROPRIATE BASIC FEE AMOUNT =				\$ 860.00					
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date [37 C.F.R. 1.492(e)].									
Claims	Number Filed	Number Extra	Rate						
Total Claims	27 - 20 =	7	X \$ 18.00	\$ 126.00					
Independent Claims	3 - 3 =	0	X \$ 80.00						
Multiple dependent claim(s) (if applicable)			+ \$270.00						
TOTAL OF ABOVE CALCULATIONS =				\$ 986.00					
Reduction by one-half for filing by small entity, if applicable. Applicant qualifies for Small Entity Status. (Note 37 C.F.R. 1.9, 1.27, 1.28).				\$ -493.00					
SUBTOTAL =				\$ 493.00					
Processing fee of \$130.00 for furnishing the English translation later the <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date [37 C.F.R. 1.492(f)].									
TOTAL NATIONAL FEE =				\$ 493.00					
Fee for recording the enclosed assignment [37 C.F.R. 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property									
TOTAL FEES ENCLOSED =				\$ 493.00					
				Amount to be refunded	\$				
				Charged	\$				
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$493.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 01-2300 in the amount of \$ to cover the above fee. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2300.</p> <p>NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive [37 C.F.R. 1.137(a) or (b)] must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO: Customer No. 004372 Arent Fox Kintner Plotkin & Kahn 1050 Connecticut Avenue, N.W., Suite 400 Washington, D.C. 20036-5339 Tel: (202) 857-6000 Fax: (202) 638-4810</p> <div style="text-align: right; margin-top: 20px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <div> Douglas H. Goldbush Reg. No. 33,125 </div> <div style="font-size: 1.5em; font-weight: bold;">27931</div> </div> </div>									

Rec'd PCT/PTO 26 DEC 2002**PATENT APPLICATION****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of:

MAIS

Group Art Unit: Not yet assigned

Serial No.: 09/926,065

Examiner: Not yet assigned

Filed: August 23, 2001

Attorney Dkt. No.: 024962-00002

For: DATA CARRIER WITH DIFFERENTLY FORMATTED AUDIO DATA AND VIDEO
DATA AND RECORDING DEVICE AND RECORDING METHOD PERTAINING
THERETO

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

December 26, 2001

Sir:

Prior to initial examination of the application, please amend the above-identified application as follows:

IN THE CLAIMS:

Please amend claims 3, 6, 8, 11, 14, 16, 19, 22, 24, 25 and 27 as follows. A copy of the marked up original claims is attached to this response showing the changes as set forth in amended 37 CFR 1.121.

3. (Amended) Data carrier pursuant to claim 1, wherein one of the at least two formats comprises the digital CD audio format.

6. (Amended) Data carrier pursuant to claim 1, wherein one of the at least two formats is the MPEG format, the Quicktime format or the PSX format.

8. (Amended) Data carrier pursuant to claim 6, wherein the data stored in the PSX format can be read by a Sony Playstation or similar.

11. (Amended) Method pursuant to claim 9, wherein one of the at least two formats comprises the digital CD audio format.

14. (Amended) Method pursuant to claim 9, wherein one of the at least two formats is the MPEG format, the Quicktime format or the PSX format.

16. (Amended) Method pursuant to claim 14, wherein the data stored in the PSX format can be read by a Sony Playstation or similar.

19. (Amended) Device pursuant to claim 17, wherein one of the at least two formats comprises the digital CD audio format.

22. (Amended) Device pursuant to claim 17, wherein one of the at least two formats is the MPEG format, the Quicktime format or the PSX format.

24. (Amended) Device pursuant to claim 22, wherein the data stored in the PSX format can be read by a Sony Playstation or similar.

25. (Amended) Usage of a data carrier pursuant to claim 1 for recording a piece of music with appropriate video clip in at least two formats which differ accordingly to the devices.

27. (Amended) Usage pursuant to claim 25, wherein the data carrier with the piece of music and video clip can be played both on a Sony Playstation and on a DVD player, a CD player or a computer.

REMARKS

Claims 1-27 are pending in this application. By this Amendment, claims 3, 6, 8, 11, 14, 16, 19, 22, 24, 25, and 27 are amended to correct the multiple dependencies thereof and to place this application into better condition for examination. No new matter has been added.

In the event that there are any fees due with respect to the filing of this paper, please charge Deposit Account No. 01-2300.

Respectfully submitted,



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Enclosures: Marked-up Copy of Amended Claims

MARKED-UP COPY OF AMENDED CLAIMS
APPLN. S.N. 09/926,065

3. (Amended) Data carrier pursuant to claim 1 [or 2], wherein one of the at least two formats comprises the digital CD audio format.

6. (Amended) Data carrier pursuant to [one of the claims 1 through 5] claim 1, wherein one of the at least two formats is the MPEG format, the Quicktime format or the PSX format.

8. (Amended) Data carrier pursuant to claim 6 [or 7], wherein the data stored in the PSX format can be read by a Sony Playstation or similar.

11. (Amended) Method pursuant to claim 9 [or 10], wherein one of the at least two formats comprises the digital CD audio format.

14. (Amended) Method pursuant to [one of the claims 9 through 13] claim 9, wherein one of the at least two formats is the MPEG format, the Quicktime format or the PSX format.

16. (Amended) Method pursuant to claim 14 [or 15], wherein the data stored in the PSX format can be read by a Sony Playstation or similar.

19. (Amended) Device pursuant to claim 17 [or 18], wherein one of the at least two formats comprises the digital CD audio format.

22. (Amended) Device pursuant to [one of the claims 17 through 21] claim 17, wherein one of the at least two formats is the MPEG format, the Quicktime format or the PSX format.

24. (Amended) Device pursuant to claim 22 [or 23], wherein the data stored in the PSX format can be read by a Sony Playstation or similar.

25. (Amended) Usage of a data carrier pursuant to [one of the claims 1 through 8] claim 1 for recording a piece of music with appropriate video clip in at least two formats which differ accordingly to the devices.

27. (Amended) Usage pursuant to claim 25 [or 26], wherein the data carrier with the piece of music and video clip can be played both on a Sony Playstation and on a DVD player, a CD player or a computer.

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09/976065

DescriptionData Carrier with Differently Formatted Audio Data and Video Data and Recording Device and
Recording Method Pertaining Thereto

The present invention relates to a data carrier on which audio data and/or video data are stored as well as a device and a method with which the audio data and/or video data can be inscribed on the data carrier.

So far it has been known to store audio and/or video data on a so-called compact disc (CD). For audio data the digital audio format developed by Sony and Philips in 1983 is being used. The format for recording video signals on so-called video CDs is based on the same digital audio format. A CD or a CD-ROM has a memory capacity of about 680 MB, which corresponds to a video running time of about 70 minutes. In order to be able to record a video film in the usual length, the so-called digital video disc (DVD) was developed by several renowned electronics companies in a cooperation effort in 1995. The storage capacity of a DVD is 4.7 or 8.5 GB so that a video running time of 2 hours 13 minutes is guaranteed. The audio and video data on the DVD are formatted based on the jointly developed DVD standard.

Sony additionally developed the PSX format for recording video sequences including audio data. This data format is used especially in Sony's "Playstations." Therefore only special PSX data carriers are suited for playing audio and video data on a Playstation.

Particularly in connection with pieces of music there is a need to be able to view the appropriate videos of the respective artists when playing the piece of music. Starting with the creation of singles from records the so-called Maxi CD was developed. It contains the title song and possibly other pieces of music in audio format. Based on this, Maxi CDs are available today, which also include the appropriate video of the artist apart from the title song. These Maxi CDs

including video data can be played on a computer and the appropriate standard program (Real Time Movie Player).

The user is now faced with the situation that he can listen to the Maxi CD with video data on a CD player, however that the video data is only accessible with a computer and the appropriate special program and/or a DVD player or video CD player. Additionally, playing such a video CD or a DVD on the computer requires an appropriate drive and the appropriate software in order to reproduce the video sequence in real time. If the video clip with the audio data has been recorded in the DVD format, there is also the problem that the data can only be read by a DVD player apart from a computer. Although a DVD player can generally play video CDs, a video player is generally not able to access DVD data.

In light of this fact the task arose of making audio data and video data that has been stored on a data carrier accessible with several devices.

According to the present invention this task is resolved with a data carrier on which the audio data and video data are stored on the data carrier in at least two formats which differ according to the devices so that the data on the data carrier can be read by at least two different playing devices.

According to the invention a method for playing audio and video data on a data carrier is suggested where the audio and video data are stored on the data carrier in at least two formats which differ according to the devices so that the data on the data carrier can be read by at least two different playing devices.

Furthermore according to the invention a device for storing audio and video data on a data carrier is suggested with which the audio and video data can be stored in at least two formats which differ according to the devices so that the data on the data carrier can be read by at least two different playing devices.

When the data on the data carrier can be read by at least two different playing devices, it results in the advantage for the user that he can read a larger number of different data carriers with the playing device that he owns. When e.g. the same audio and video data are stored on a data carrier in MPEG format and in PSX format, this data carrier can be played both by the owner of a DVD player and the owner of a Sony Playstation. If beyond that a piece of music is stored additionally on the data carrier in the conventional audio format, the user can play this data carrier also in a CD player and listen to the appropriate song.

Vice versa a CD, DVD or similar that contains several formats offers the advantage for the manufacturer that he does not have to produce various sound carriers and that the produced sound carrier can be played by the users of different devices.

In a preferred embodiment the data carrier consists of a compact disc (CD). On this CD audio and video data can be stored with familiar devices and methods. With the invented device and the appropriate invented method, the audio and video data are stored on the CD in at least two formats, which differ according to the devices. According to a first embodiment, initially audio data are stored on the CD in the conventional digital audio format (audio track or similar). Afterward the audio data are stored, for example, together with the appropriate video data in the MPEG format on the CD. The video data are stored in another format on the CD. Thus, in the direction from the outermost track to the innermost track, the CD stores first the audio data in the digital audio format and then video and audio data in the MPEG format. This recording sequence ensures that a conventional CD player can play the piece of music stored in the audio format. Conventional CD players recognize the CDs they can play only when the data are stored in audio format at the beginning of the CD. Thus a conventional CD player cannot play audio data in the audio format if they are stored after a record of a different format on the CD. If

The CD of the first embodiment, where audio and video data are stored in the MPEG format after the audio data in the audio format, can also be played by a video CD player (VCD player) or a computer with appropriate CD-ROM drive. Both the VCD player and the computer have the possibility of not only reading the audio format, but also of reading data in any random location of the CD. This makes it possible for the VCD player or the computer to access data stored in a format it can read anywhere on the CD even if it cannot read the data stored at the beginning of the CD. This means that the above-described CD with data stored in the two different formats can be read by a conventional CD player as well as by a VCD player or computer, i.e. the audio data in the digital audio format can be read by the CD player and the audio and video data can be read by the VCD player and/or the computer.

In concrete cases of a piece of music with suitable video clip this means the following. The piece of music is stored with the invented device in the invented method at the beginning of the CD in the audio format. Subsequently, the audio data of the piece of music are stored together with the video data of the video clip in the MPEG format on the CD. At least the video data are stored additionally on the data carrier in a further format. The CD inscribed this way is placed in the conventional CD player, which recognizes the CD as readable and can play it since the data that are supposed to be played have been recorded in the audio format at the beginning of the CD. If the same music video CD is placed in a VCD player or a CD-ROM drive of a computer with appropriate software, it recognizes the audio and video data and can reproduce the video clip together with the piece of music. This way the music video CD can be played in a beneficial manner both by the owner of a conventional CD player and the owner of a VCD player and/or computer with CD-ROM drive. Therefore, it does not require two different CDs for the different users.

Pursuant to a second embodiment, the CD can be read also by a special Sony Playstation or similar apart from the conventional CD player. As with the first embodiment it is necessary that the audio data of the piece of music are stored at the beginning of the CD in the conventional audio format. Subsequently, the appropriate device stores the audio and video data in the PSX format or an appropriate format. Such a CD could be played on a conventional CD player and a Sony Playstation or similar.

Pursuant to a third embodiment of the present invention, the audio and video data are stored in the MPEG format on one hand and in the PSX format on the other hand after the audio data in digital audio format. A CD that has been produced this way can thus be played on the conventional CD player, the VCD player and/or computer and on the Sony Playstation. The usage of such a CD is accordingly multiplied.

Pursuant to the present invention, a CD can also be produced without audio data in the conventional audio format. The audio and video data in the different formats can be stored anywhere on the CD.

Apart from the above-presented formats (MPEG and PSX), the audio and video data can be stored additionally or alternatively also in other non-standardized formats, such as in VCD 3.0, Super VCD, HQ-VCD, CVD, Quicktime (Apple) etc. Limited by the storage capacity, thus accordingly many different formats of the audio and video data can be stored on the CD. Optionally, the audio data can also always be stored in the conventional audio format, possibly also in Dolby Surround AC3. They should preferably be stored at the beginning of the CD so that as many conventional CD players as possible can read the audio data.

Pursuant to a fourth embodiment of the present invention, the data carrier consists of the digital video disc (DVD), which is inscribed with audio and video data with an appropriate device. Basically the audio and video data can be stored on a DVD in the same, above-described data formats. Therefore the above-mentioned for the CD applies also to the DVD. There is only the

limitation that most of the currently available CD and VCD players cannot play DVDs. Thus, the multimedia usage of a data carrier that has been inscribed with several data formats does not exist in the same way with the DVD as with the CD.

For the CD preferably a multi-layer hybrid blank is used. This makes it possible to store the data in the respective layers with different formats and thus increases the overall storage capacity of the CD. For example, data in the standard audio format are stored in the bottom layer. In a layer on top of that, invisible to the CD player, data are stored in the MPEG format. This way a CD player can read the data in the bottom layer and a DVD player the data on top in the MPEG format. Of course, data can also be stored in several formats in one layer.

Currently the problem still exists that individual older model CD players cannot read such hybrid CDs. The cause for this is that the laser heads of older CD players are arranged vertically in relation to the CD surface, while newer CD players as well as DVD players and computer reading devices contain vertically movable laser heads in order to scan different layers. An appropriate layer structure and/or suitable material selection of the hybrid CD can solve this problem so that older CD players can also read hybrid CDs.

The above-mentioned formats only serve the purpose of explanation and can be replaced randomly by other formats. Similarly, one is not limited to recording a song and a corresponding video clip on a data carrier, but any random number and combination of audio and video pieces can be stored, which is limited only by the storage capacity of the data carrier. E.g. so-called promotional advertising and movie announcements combined with video clips from musical artists can be stored on a CD or DVD.

Furthermore the sound carrier, i.e. the CD, DVD or similar, is not limited to the usual physical size, e.g. round 5-inch disk. Other forms of the sound carrier, e.g. disk with the outline of a concert grand, are feasible as well.

Patent Claims

1. Data carrier on which audio and video data are stored, characterized by the fact that the audio and video data are stored on the data carrier in at least two formats which differ according to the devices so that the data on the data carrier can be read by at least two different playing devices.
2. Data carrier pursuant to claim 1, wherein the data carrier is a compact disc, CD, or a digital video disc, DVD.
3. Data carrier pursuant to claim 1 or 2, wherein one of the at least two formats comprises the digital CD audio format.
4. Data carrier pursuant to claim 3, wherein the data stored in the digital CD audio format are stored on the data carrier in such a way that they can be read by a CD player.
5. Data carrier pursuant to claim 4, wherein the data stored in the digital CD audio format are stored on the data carrier beginning with the outermost track.
6. Data carrier pursuant to one of the claims 1 through 5, wherein one of the at least two formats is the MPEG format, the Quicktime format or the PSX format.
7. Data carrier pursuant to claim 6, wherein the data stored in the MPEG format or Quicktime format can be read by a computer or a DVD player.
8. Data carrier pursuant to claim 6 or 7, wherein the data stored in the PSX format can be read by a Sony Playstation or similar.
9. Method for storing audio data and video data on a data carrier, characterized by the fact

the audio and video data, respectively, are stored on the data carrier in at least two formats which differ according to the devices so that the data on the data carrier can be read by at least two different playing devices.

10. Method pursuant to claim 9, wherein the data carrier is a compact disc, CD, or a digital video disc, DVD.
11. Method pursuant to claim 9 or 10, wherein one of the at least two formats comprises the digital CD audio format.
12. Method pursuant to claim 11, wherein the data stored in the digital CD audio format are stored on the data carrier in such a way that they can be read by a CD player.
13. Method pursuant to claim 12, wherein the data stored in the digital CD audio format are stored on the data carrier beginning with the outermost track.
14. Method pursuant to one of the claims 9 through 13, wherein one of the at least two formats is the MPEG format, the Quicktime format or the PSX format.
15. Method pursuant to claim 14, wherein the data stored in the MPEG format or Quicktime format can be read by a computer or a DVD player.
16. Method pursuant to claim 14 or 15, wherein the data stored in the PSX format can be read by a Sony Playstation or similar.
17. Device for storing audio and video data on a data carrier, characterized by the fact that the audio and video data, respectively, can be stored on the data carrier in at least two formats which differ according to the devices so that the data on the data carrier can be read by at least two different playing devices.

18. Device pursuant to claim 17, wherein the data carrier is a compact disc, CD, or a digital video disc, DVD.
19. Device pursuant to claim 17 or 18, wherein one of the at least two formats comprises the digital CD audio format.
20. Device pursuant to claim 19, wherein the data stored in the digital CD audio format are stored on the data carrier in such a way that they can be read by a CD player.
21. Device pursuant to claim 20, wherein the data stored in the digital CD audio format can be stored on the data carrier beginning with the outermost track.
22. Device pursuant to one of the claims 17 through 21, wherein one of the at least two formats is the MPEG format, the Quicktime format or the PSX format.
23. Device pursuant to claim 22, wherein the data stored in the MPEG format or Quicktime format can be read by a computer or a DVD player.
24. Device pursuant to claim 22 or 23, wherein the data stored in the PSX format can be read by a Sony Playstation or similar.
25. Usage of a data carrier pursuant to one of the claims 1 through 8 for recording a piece of music with appropriate video clip in at least two formats which differ according to the devices.
26. Usage pursuant to claim 25, wherein the formats which differ according to the devices comprise the MPEG format, the Quicktime format, the PSX format and/or the CD audio format.
27. Usage pursuant to claim 25 or 26, wherein the data carrier with the piece of music and video clip can be played both on a Sony Playstation and on a DVD player, a CD player or a computer.

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WELTORGANISATION FÜR GEISTIGES EIGENTUM
Internationales Büro



INTERNATIONALE ANMELDUNG VERÖFFENTLICHT NACH DEM VERTRAG ÜBER DIE
INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES PATENTWESENS (PCT)

(51) Internationale Patentklassifikation ⁷ : G11B 20/12	A1	(11) Internationale Veröffentlichungsnummer: WO 00/51121 (43) Internationales Veröffentlichungsdatum: 31. August 2000 (31.08.00)
(21) Internationales Aktenzeichen: PCT/DE00/00514 (22) Internationales Anmeldedatum: 21. Februar 2000 (21.02.00) (30) Prioritätsdaten: 199 07 711.8 23. Februar 1999 (23.02.99) DE (71)(72) Anmelder und Erfinder: MAIS, Stefan [DE/DE]; Pillenreuther Strasse 57, D-90459 Nürnberg (DE). (74) Anwalt: KNAUTHE, PAUL, SCHMITT; Prielmayerstrasse 3, D-80335 München (DE).		(81) Bestimmungsstaaten: JP, US, europäisches Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Veröffentlicht <i>Mit internationalem Recherchenbericht. Vor Ablauf der für Änderungen der Ansprüche zugelassenen Frist; Veröffentlichung wird wiederholt falls Änderungen eintreffen.</i>
(54) Title: DATA CARRIER WITH DIFFERENTLY FORMATTED AUDIO DATA AND VIDEO DATA AND RECORDING DEVICE AND RECORDING METHOD PERTAINING THERETO (54) Bezeichnung: DATENTRÄGER MIT VERSCHIEDEN FORMATIERTEN AUDIO- UND VIDEODATEN SOWIE DAZUGEHÖRIGE(S) AUFZEICHNUNGSVORRICHTUNG UND -VERFAHREN (57) Abstract <p>The invention relates to data carriers such as compact discs and digital video discs. Said data carriers are inscribed with audio data and/or video data in a certain format. The data carriers can normally be read of one or two adequate playing devices. The audio data and video data are stored on the data carrier in at least two formats which differ according to the devices in order to guarantee or increase multimedia use. The data on the data carrier can thus be read by at least two different playing devices.</p> (57) Zusammenfassung <p>Datenträger, wie Compact Discs und Digitale Video Discs, sind mit Audio- und/oder Videodaten in einem bestimmten Format beschrieben. Somit sind sie in der Regel von einem oder zwei entsprechenden Abspielgeräten lesbar. Um einen multimedialen Nutzen zu gewährleisten bzw. zu erhöhen, werden die Audio- und Videodaten jeweils nun in mindestens zwei gerätespezifisch verschiedenen Formaten auf dem Datenträger gespeichert. Damit sind die Daten auf dem Datenträger von mindestens zwei verschiedenen Abspielgeräten lesbar.</p>		

Docket No. 108817-00002

ARENT FOX KINTNER PLOTKIN & KAHN, PLLC

Declaration For U.S. Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

(Insert Title) **DATA CARRIER WITH DIFFERENTLY FORMATTED AUDIO DATA AND VIDEO DATA AND RECORDING DEVICE AND RECORDING METHOD PERTAINING THERETO**

the specification of which is attached hereto unless the following box is checked:

☒ was filed on February 21, 2000 As PCT International Application
 Number PCT/DE00/00514 and was amended on _____
 And/or was filed on _____ As United States Application
 Number _____ and was amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International Application having a filing date before that of the application(s) for which priority is claimed:

(List prior foreign applications)	<u>199 07 711.8</u> (Number)	<u>DE</u> (Country)	<u>23/02/99</u> (Day/Month/Year Filed)	Priority Claimed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No
	_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

_____ (Application Number)	_____ (Filing Date)
_____ (Application Number)	_____ (Filing Date)

☐ See attached list for additional prior foreign or provisional applications.

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or §365(c) of any PCT International application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) (U.S. or PCT) in the manner provided by the first paragraph of 35, U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(List prior U.S. Applications or PCT International applications designating the U.S.)	<u>PCT/DE00/00514</u> (Application Serial No.)	<u>February 21, 2000</u> (Filing Date)	<u>Pending</u> (Status) (passed, pending, abandoned)
	_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status) (passed, pending, abandoned)

And I hereby appoint the firm of Arent Fox, Customer Number 004372 including as principal attorneys: Robert B. Murray, Reg. No. 22,980; Charles M. Marnelstein, Reg. No. 25,895; George E. Oram, Jr., Reg. No. 27,931; Douglas H. Goldhush, Reg. No. 33,125; David T. Nikaido, Reg. No. 22,663; Richard J. Herman, Reg. No. 39,107; Murat Ozgu, Reg. No. 44,275; Robert K. Carpenter, Reg. No. 34,794; Gregory B. Kang, Reg. No. 45,273; Rustan Iliff, Reg. No. 37,351; Kevin Turner, Reg. No. 43,437; Carl Schaukowitz, Reg. No. 29,211; Hans J. Crosby, Reg. No. 44,634; Brian A. Tollefson, Reg. No. 46,338; Lynne D. Anderson, Reg. No. 46,412; D. Daniel Dzara, II, Reg. No. 47,543; Laurence J. Edson, Reg. No. 44,666; Michael A. Steinberg, Reg. No. 43,160; and Dinnalia J. Doster, Reg. No. 45,268.

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The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Stefan MAISInventor's signature x Stefan Mais x 12-04-01
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